

SYSTEM CONTROLLER FOR USE IN A DISTRIBUTED PROCESSING FRAMEWORK SYSTEM AND METHODS FOR IMPLEMENTING THE SAME

ABSTRACT OF THE DISCLOSURE

A process execution management system is provided. The system includes a controller system designed to have a data center component, a first user interface component instance, and a second user interface component instance. The controller system is accessible over a network, enabling remote user access to data managed by the controller system. The data center component includes data required to execute a process by a processing resource. The processing resource is in communication with the controller system. The first user interface component instance enables a first user interface to provide an interface to a first copy of the data center component. The first user interface notifies the data center component of a change to the first copy of the data center component. The second user interface component instance enables a second user interface to provide an interface to a second copy of the data center component. The second user interface notifies the data center component of a change to the second copy of the data center component. The data center component issues updates that include the changes to each of the first copy of the data center component and the second copy of the data center component to each of the first and second user interfaces. In this manner, the data center component maintains synchronized data between the first and second user interfaces having access to the data center component.